

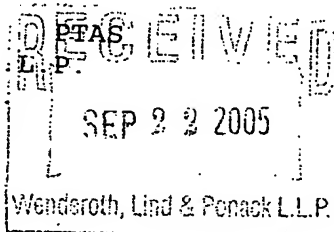


UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEPTEMBER 15, 2005

WENDEROTH, LIND & PONACK, L.L.P.
ATTN: MICHAEL R. DAVIS, ESQ.
2033 K STREET, N.W.
SUITE 800
WASHINGTON, DC 20006-1021



103000733A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES DIVISION, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 09/10/2004

REEL/FRAME: 016542/0415
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HASHIMOTO, TAKAAKI

DOC DATE: 08/31/2004

ASSIGNOR:

MIYAZAKI, KUNINORI

DOC DATE: 08/31/2004

ASSIGNOR:

MIYAKE, JUNICHI

DOC DATE: 08/31/2004

ASSIGNOR:

ISHII, TOHRU

DOC DATE: 08/31/2004

ASSIGNEE:

NIPPON SHOKUBAI CO., LTD.
1-1, KORAIBASHI 4-CHOME, CHUO-KU
OSAKA-SHI
OSAKA, JAPAN

016542/0415 PAGE 2

SERIAL NUMBER: 10507302

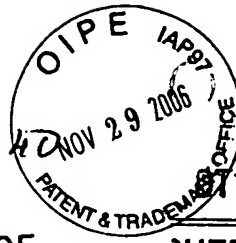
FILING DATE: 09/10/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD FOR TREATING WASTE WATER

LENELL MACKALL, SUPERVISOR
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



9/10/04

A/D

581-

15 Rec'd PCT/PTO 10 SEP 2004

FORM PTO-1595 (modified)

05-12-2005

SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



10/507302

To the Honorable Assistant Secretary and
thereof.

ks: Please record the attached original document

103000733

1. Name of conveying party(ies):

Takaaki HASHIMOTO, Kuninori MIYAZAKI, Junichi MIYAKE
and Tohru ISHII

2. Name and address of receiving party(ies):

Name: NIPPON SHOKUBAI CO., LTD.

Street Address: 1-1, Koraibashi 4-chome, Chuo-ku,
Osaka-shi

City: Osaka Country: Japan

Additional name(s) & address(es) attached? No

Additional name(s) of conveying party(ies) attached? No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: August 31, 2004

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: August 31, 2004
A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? No

5. Name and address of party to whom correspondence
concerning document should be mailed:

Name: WENDEROTH, LIND & PONACK, L.L.P.
Attn: Michael R. Davis, Esq.

Street Address: 2033 K Street, N.W., Suite 800

City: Washington, State: DC ZIP: 20006-1021

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41). \$ 40.00

☒ Enclosed (Check No. _____)
Authorized to be charged to deposit account

8. Deposit account number: 23-0975

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael R. Davis, Reg. No. 25,134
Name of Person Signing

September 10, 2004
Date

Total number of pages including cover sheet: 3

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information:

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEE FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975.

9/15/2004 GFKEY1 00000104 10507302

3 FC:0021

Commissioner and Assistant Secretary of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

40.00 OP

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding the burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

ASSIGNMENT

For value received, We, Takaaki HASHIMOTO, residing at 931-11, Hamada, Aboshi-ku, Himeji-shi, Hyogo, Japan, Kuninori MIYAZAKI, residing at 931-11, Hamada, Aboshi-ku, Himeji-shi, Hyogo, Japan, Junichi MIYAKE, residing at 2-1-502, Nishishinmachi 3-chome, Akashi-shi, Hyogo, Japan, and Tohru ISHII, residing at 83-1, Tobo, Taishi-cho, Ibo-gun, Hyogo, Japan hereby sell, assign, and transfer to NIPPON SHOKUBAI CO., LTD. a corporation existing under the laws of Japan, located at 1-1, Koraibashi 4-chome, Chuo-ku, Osaka-shi, Osaka, Japan, and its successors, assigns, and legal representatives, the entire right, title, and interest for all countries including the United States of America, in and to certain inventions relating to

METHOD FOR TREATING WASTE WATER

described in an application for Letters Patent of the United States,
[] having an oath or declaration by me/us executed on even date herewith;
[] bearing Serial No. _____ and filed on _____, and all patents which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, and authorize and request the Commissioner of Patents and Trademarks to issue all patents on said improvements or resulting therefrom to said Company as assignee of the entire interest, and covenant that I/We have full right so to do, and agree that I/We will communicate to said Company or its representatives any facts known to me/us respecting said improvements and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees, to obtain and enforce proper protection for said invention in the United States.

The Assignor(s) hereby authorizes and requests the attorneys of WENDEROTH, LIND & PONACK, L.L.P., of Washington, D.C., to insert in the spaces provided above the filing date, serial number, and attorney docket number of said application if not previously inserted.

Signature Takaaki Hashimoto Date August 31, 2004
Takaaki HASHIMOTO

Signature Kuninori Miyazaki Date August 31, 2004
Kuninori MIYAZAKI

Signature Junichi Miyake Date August 31, 2004
Junichi MIYAKE

Signature Tohru Ishii Date August 31, 2004
Tohru ISHII



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JUNE 14, 2001

PTAS

WENDEROTH, LIND & PONACK, L.L.P.
ATTN: WARREN M. CHEEK, JR., ESQ.
2033 K STREET, N.W., SUITE 800
WASHINGTON, DC 20006-1021



101673738A



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/02/2001

REEL/FRAME: 011660/0576
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SHIOTA, YUSUKE

DOC DATE: 02/22/2001

ASSIGNOR:

MIYAZAKI, KUNINORI

DOC DATE: 02/22/2001

ASSIGNOR:

HASHIMOTO, TAKAAKI

DOC DATE: 02/22/2001

ASSIGNOR:

ISHII, TOHRU

DOC DATE: 02/22/2001

ASSIGNEE:

NIPPON SHOKUBAI CO., LTD.
1-1, KORAIBASHI 4-CHOME, CHUO-KU
OSAKA-SHI, OSAKA-FU, JAPAN

SERIAL NUMBER: 09753682

FILING DATE: 01/04/2001

PATENT NUMBER:

ISSUE DATE:

011660/0576 PAGE 2

TONYA LEE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

04-13-2001

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark OfficeTo the Honorable Assistant Secretary and Commi
or copy(ies) thereof.

1. Name of conveying party(ies):

- (1) Yusuke SHIOTA
(2) Kuninori MIYAZAKI
(3) Takaaki HASHIMOTO and
(4) Tohru ISHII

Additional name(s) of conveying party(ies) attached? No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other ☐

Execution Date: February 22, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)
09/753,682, filed January 4, 2001B. Patent No.(s)
, issued

Additional numbers attached? No

5. Name and address of party to whom correspondence
concerning document should be mailed:Name: WENDEROTH, LIND & PONACK, L.L.P.
Attn: Warren M. Cheek, Jr., Esq.Street Address: 2033 K Street, N.W., Suite 800City: Washington, State: DC ZIP: 20006-10216. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41). \$40.00☒ Enclosed (Check No. 43762)
Authorized to be charged to deposit account8. Deposit account number: 23-0975

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the
original document.Warren M. Cheek, Jr., Reg. No. 33,367
Name of Person Signing

Signature

April 2, 2001
DateTotal number of pages including cover sheet: 3

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEE FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975.

Mail documents to be recorded with required cover sheet information:

2/2001 6TON11 00000251 09753682

C:581

40.00 DP

Commissioner and Assistant Secretary of Patents and Trademarks
Box Assignments
Washington, D.C. 20231Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including
me for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send
omments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C,
Washington, D.C. 20231, and the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C.
2503.

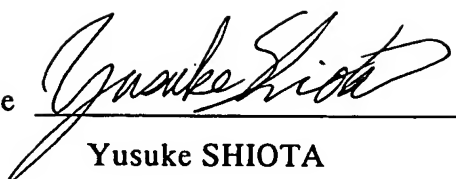
ASSIGNMENT

For value received, we, Yusuke SHIOTA, residing at 4-19, Higashitsujii 2-chome, Himeji-shi, Hyogo-ken, Japan, Kuninori MIYAZAKI and Takaaki Hashimoto, residing at 931-11, Hamada, Aboshi-ku, Himeji-shi, Hyogo-ken, Japan, and Tohru ISHII, residing at 83-1, Tobo, Taishi-cho, Ibo-gun, Hyogo-ken, Japan, hereby sell, assign, and transfer to NIPPON SHOKUBAI CO., LTD., a corporation existing under the laws of Japan, located at 1-1, Koraibashi 4-chome, Chuo-ku, Osaka-shi, Osaka-fu, Japan, and its successors, assigns, and legal representatives, the entire right, title, and interest for all countries including the United States of America, in and to certain inventions relating to

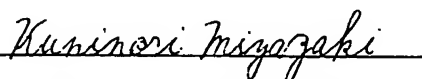
CATALYST FOR TREATING WASTE WATER, METHOD FOR
PREPARING THE SAME AND PROCESS FOR TREATING
WASTE WATER

described in an application for Letters Patent of the United States,
[] having an oath or declaration by me/us executed on even date herewith;
[x] bearing Serial No. 09/753,682 and filed on January 4, 2001, and all patents which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, and authorize and request the Commissioner of Patents and Trademarks to issue all patents on said improvements or resulting therefrom to said Company as assignee of the entire interest, and covenant that I/We have full right so to do, and agree that I/we will communicate to said Company or its representatives any facts known to me/us respecting said improvements and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees, to obtain and enforce proper protection for said invention in the United States.

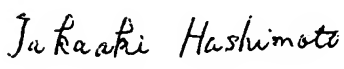
The Assignor(s) hereby authorizes and requests the attorneys of WENDEROTH, LIND & PONACK, L.L.P., of Washington, D.C., to insert in the spaces provided above the filing date, serial number, and attorney docket number of said application if not previously inserted.

Signature 
Yusuke SHIOTA

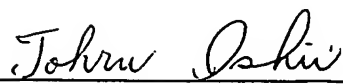
Date February 22, 2001

Signature 
Kuninori MIYAZAKI

Date February 22, 2001

Signature 
Takaaki HASHIMOTO

Date February 22, 2001

Signature 
Tohru ISHII

Date February 22, 2001